

SHREDDER BLADE MADE BY PUNCHING AND BENDING

ABSTRACT

Disclosed is a shredder blade made by punching and bending that is integrally made by punching a metal sheet having a thickness of about 0.6 mm by a punching die to form a circular blade body, where the circular blade is formed into a serrated cutting edge around its periphery, and symmetrical cutting portions, connecting portions and supports extending outwards from a top and a bottom transections of the blade body, wherein the cutting portions, connecting portions and supports are first pressed towards a first direction such that they protrude from a major side of the blade body, and the cutting portions and connecting portions are bent towards an opposing second direction to form cutting edges. Relative movements of the cutting edges cut paper along a longitudinal direction to form strips. The cutting edges then cut the strips along a horizontal direction to fragment the strips into chips, to effectively reduce the material cost and the weight of the blade to thereby reduce the motor loading and power consumption, while enhancing market competitiveness of the shredders having the blades. enhance the market competitiveness.